

Introduction to System Analysis & Design



CST 270 – System Analysis & Design
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Objectives

- Explain the changing nature and role of information processing in business
- Discuss the need for system analysis and design in a successful organization
- Define the system analyst and discussed their primary roles within an organization

CST 270 System Analysis & Design
Introduction to System Analysis & Design
Reading: Chapter 1



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Information = Resource

- Fuels business and can be the critical factor in determining the success or failure of a business
- Needs to be managed correctly
- Managing computer-generated information differs from handling manually produced data

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Need for Systems Analysis and Design

- Installing systems without proper planning leads to user dissatisfaction and frequently causes the system to fall into disuse.
- We need something that will lend structure to the analysis and design of information systems, more specifically, we need:
 - A series of processes systematically undertaken to improve a business through the use of computerized information systems

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Systems Analyst?

- System analysts **systematically** assess how users interact with technology and how the businesses functions by examining elements of the system (hardware, software, & users) with the intent of improving organizational processes
- Three primary roles:
 - Consultant
 - Address information systems issues within an organization (Solve once & future problems)
 - Supporting expert
 - Support Consultants/Support the systems currently in operation
 - Agent of change
 - Serve as a catalyst for change, develops a plan for change, and works with others to facilitate change

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Qualities of a System Analyst

- The analyst must be able to work with people of all descriptions and be experienced in working with computers.
- You additionally need to be:
 - Problem solver
 - Communicator
 - Strong personal and professional ethics
 - Self-disciplined and self-motivated

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Summary

- Explained the changing nature and role of information processing in business
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Questions?



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